WHAT IS CLAIMED IS:

1. A method comprising:

adjusting a threshold level of a radiation sensor in a radiation-measuring circuit; and obtaining an output signal based on radiation dose sensed by the radiation sensor.

- 2. The method of claim 1 further including exposing the radiation-measuring circuit to radiation.
- 3. The method of claim 1 wherein the radiation sensor includes a transistor, the method including supplying a voltage between a body terminal and a source terminal of the transistor to adjust a body bias of the radiation sensor.
- 4. The method of claim 3 including adjusting the body bias of the radiation-sensing transistor during exposure to radiation.
- 5. The method of claim 3 including adjusting the body bias of the radiation-sensing transistor using a voltage source that is external to the CMOS radiation-measuring circuit.

- 6. The method of claim 3 including adjusting the body bias of the radiation-sensing transistor using an integrated voltage source.
- 7. An apparatus comprising:
 - a radiation sensor with a threshold voltage; and an adjustable voltage source coupled to the radiation sensor to change the threshold level of the radiation sensor.
- 8. The apparatus of claim 7 wherein the radiation sensor forms part of a CMOS radiation-measuring circuit and the adjustable voltage source is external to the CMOS radiation-measuring circuit.
- 9. The apparatus of claim 7 wherein the radiation sensor forms part of a CMOS radiation-measuring circuit and the adjustable voltage source is integrated into the CMOS radiation-measuring circuit.
- 10. The apparatus of claim 7 comprising:
 - a current mirror; and
 - an output load including a gate terminal and a drain terminal;

the radiation sensor having a source terminal coupled to a first side of the current mirror through a resistive element and coupled to the gate terminal of the output load; and

the drain terminal of the output load coupled to a second side of the current mirror.

- 11. The apparatus of claim 10 wherein a state of the radiation sensor controls a state of the output load.
- 12. The apparatus of claim 10 wherein the resistive element includes a transistor.
- 13. The apparatus of claim 10 wherein the resistive element includes a resistor.
- 14. The apparatus of claim 10 wherein the current mirror includes pMOS transistors and each of the radiation sensor, the resistive element and the output load includes an nMOS transistor.
- 15. The apparatus of claim 10 wherein the current mirror includes nMOS transistors and each of the radiation sensor,

the resistive element, and the output load includes a pMOS transistor.

- 16. An apparatus comprising:
 - a first transistor to sense radiation;
 - a load transistor having a gate coupled to an output of the first transistor and having an output to provide a signal whose digital state depends on a state of the first transistor; and
 - a current mirror coupled to the first transistor and the load transistor.
- 17. The apparatus of claim 16 comprising an adjustable voltage source coupled to the first transistor to adjust a threshold voltage level of the first transistor.
- 18. The apparatus of claim 17 wherein the first transistor forms part of a radiation-measuring circuit and the adjustable voltage source is external to the radiation-measuring circuit.
- 19. The apparatus of claim 17 wherein the first transistor forms part of a radiation-measuring circuit and the

adjustable voltage source is integrated into the radiationmeasuring circuit.

- 20. The apparatus of claim 16 including a resistive element coupled to the output of the first transistor and a first side of the current mirror.
- 21. The apparatus of claim 20 wherein the resistive element includes a transistor.
- 22. The apparatus of claim 20 wherein the resistive element includes a resistor.
- 23. The apparatus of claim 20 wherein the current mirror includes pMOS transistors and each of the radiation sensor, the resistive element and the output load includes an nMOS transistor.
- 24. The apparatus of claim 20 wherein the current mirror includes nMOS transistors and each of the radiation sensor, the resistive element, and the output load includes a pMOS transistor.